

---

**ABSTRACT**

EH  
Methods and reagents for the diagnosis of female infertility, prognostic indicators for female infertility, compounds for the treatment of female infertility, compounds and methods for contraception. Methods and compounds are based on the levels of ebaf in endometrial tissue. Methods for diagnosing endometrial receptivity and bleeding function by screening a biological sample such as an endometrial tissue sample, or bodily fluid for the presence of ebaf. A contraceptive compound containing an effective amount of ebaf and a pharmaceutically acceptable carrier. A diagnostic kit for timing contraception containing reagents for screening a sample for the presence of ebaf. A method of treating endometrial irregularities by down-regulating the expression of ebaf.

---